

# Hot Ice

**Grade Levels:**

**K-3**

**Question:**

**Which will become ice faster, hot or cold water?**

**Possible Hypotheses:**

**Cold water will freeze faster/slower than hot water.**

**Materials:**

**Two Styrofoam cups**

**Hot tap water**

**Cold tap water**

**Procedure:**

1. Fill one cup with very cold water. Fill the other with the same amount of very hot water. Label one cup hot and the other cup cold.
2. Put both cups in the freezer and check every 10-15 minutes. Record which one begins to freeze first.
3. Leave them in the freezer until the following day. Take them out and see if there is any difference in the ice cubes.

**Analysis and Conclusion:**

**Which one froze first? Did both cubes end up being the same size?**

